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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/616,201	07/08/2003	Chi Fai Liu	3409-129	9686	
22204	7590 12/28/2005	EXAMINER		INER	
NIXON PEABODY, LLP 401 9TH STREET, NW			ALMO, KHAREEM E		
SUITE 900			ART UNIT	PAPER NUMBER	
WASHINGTO	ON, DC 20004-2128	2816			
			DATE MAILED: 12/28/200	DATE MAILED: 12/28/2005	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)				
	10/616,201	LIU, CHI FAI				
Office Action Summary	Examiner	Art Unit				
	Khareem E. Almo	2816				
The MAILING DATE of this communication app	ears on the cover sheet with the c	orrespondence address				
Period for Reply	•					
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA.  - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication.  - If NO period for reply is specified above, the maximum statutory period value to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be timurill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).				
Status						
1)⊠ Responsive to communication(s) filed on <u>08 Ju</u>	<u>ıly 2003</u> .					
3) Since this application is in condition for allowar	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
closed in accordance with the practice under E	x parte Quayle, 1935 C.D. 11, 45	53 O.G. 213.				
Disposition of Claims						
<ul> <li>4)  Claim(s) 1-10 is/are pending in the application.</li> <li>4a) Of the above claim(s) is/are withdraw</li> <li>5)  Claim(s) 1-9 is/are allowed.</li> <li>6)  Claim(s) 10 is/are rejected.</li> <li>7)  Claim(s) is/are objected to.</li> <li>8)  Claim(s) are subject to restriction and/o</li> </ul>	vn from consideration.					
Application Papers						
9) The specification is objected to by the Examine 10) The drawing(s) filed on is/are: a) accomposed and all accomposed are all accomposed and accomposed are all all accomposed and accomposed are all all all accomposed are all all all all all all all all all al	epted or b) objected to by the I drawing(s) be held in abeyance. See ion is required if the drawing(s) is ob	e 37 CFR 1.85(a). jected to. See 37 CFR 1.121(d).				
,						
Priority under 35 U.S.C. § 119  12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of:  1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the priority documents application from the International Bureau * See the attached detailed Office action for a list	s have been received. s have been received in Applicati rity documents have been receive u (PCT Rule 17.2(a)).	on No ed in this National Stage				
Attachment(s)						
1) Notice of References Cited (PTO-892)	4) Interview Summary					
<ul> <li>2) Notice of Draftsperson's Patent Drawing Review (PTO-948)</li> <li>3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)</li> <li>Paper No(s)/Mail Date 12/8/2003.</li> </ul>	Paper No(s)/Mail Do 5) Notice of Informal P 6) Other:	ate · Patent Application (PTO-152)				

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Art Unit: 2816

## **DETAILED ACTION**

## Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claim 10 is rejected under 35 U.S.C. 102(b) as being anticipated by Anderson (US 3202937).

With respect to claim 10, Figure 3 of Anderson discloses a reference circuit for providing a reference voltage during a predetermined time interval comprising: a zener diode (40) for providing said reference voltage in response to a predetermined bias current when said zener diode is reverse biased, and a bias control circuit (36, 34, 26, 30, 24 and 22) for generating said predetermined bias current only during said predetermined time interval such that said zener diode provides said reference voltage only during said predetermined time interval (Note the predetermined time interval can be any range of time because it is not specified by the applicant. The discharge time of the capacitor indicates there is a predetermined time period in which the capacitor is discharging and providing the reference voltage.)

## Allowable Subject Matter

3. Claims 1-9 are allowed.

With respect to claim 1, the prior art of record fails to disclose or suggest a saw tooth generator for generating a saw tooth waveform as a function of periodic pulse coupled to said generator comprising a first capacitor and a reference circuit including a zener diode as recited in the claim.

With respect to claim 9, the prior art of record fails to disclose or suggest a saw tooth generator including a first capacitor and a reference circuit including a zener diode as recited in the claim.

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Khareem E. Almo whose telephone number is (571) . 272-5524. The examiner can normally be reached on Mon-Fri (8:30-5:00).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tim Callahan can be reached on (571) 272-1740. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

KEA

12/19/2005

CAMEAR, WILLS
Kenneth B. Wells
Exeminer

**Primary Examiner**